



GSI.6689-A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: David C. Brown, et al.      GROUP: 2834  
SERIAL NO: 10/075,940      EXAMINER: Judson Jones  
FILED: February 13, 2002  
FOR: APPARATUS FOR CONTROLLED MOVEMENT  
OF AN ELEMENT

Commissioner of Patents  
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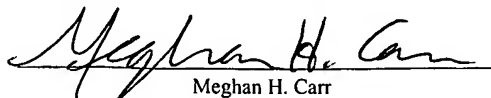
Sir:

**TRANSMITTAL OF RE-SUBMISSION OF  
INFORMATION DISCLOSURE STATEMENT**

Applicant resubmits a copy of the Information Disclosure Statement (IDS), IDS Form 1449, returned post card and copies of the references that were originally submitted on June 5, 2003. Applicant understands from the examiner that a copy of this IDS is not in the file. A copy of the transaction history for this application is also enclosed confirming that the IDS was filed on June 5, 2003. Applicant respectfully request that the Examiner review and initial these references.

**CERTIFICATION UNDER 37 C.F.R 1.10**

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited with the United States Postal Service on July 13, 2006 in an envelope as "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10, Mailing Label Number EV901972041US addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

  
Meghan H. Carr

If any fee is required in connection with this submission the Commissioner is authorized to charge Deposit Order Account No. 19-0079.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read 'W. E. Hilton', is written over a horizontal line.

William E. Hilton  
Registration No. 35,192  
Gauthier & Connors, LLP  
225 Franklin Street, Suite 2300  
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Telephone: (617) 426-9180  
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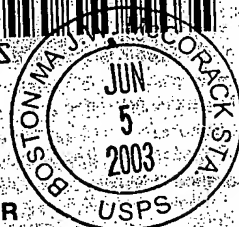


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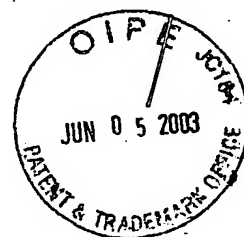
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U.S. Patent Appl. Serial No. 10/075,940  
For: APPARATUS FOR CONTROLLED MOVEMENT  
OF AN ELEMENT  
Filed: February 13, 2002

Enclosed please find the following:

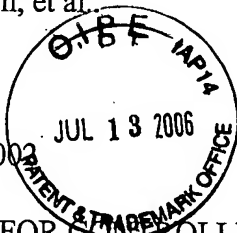
- 1) Information Disclosure Statement
- 2) Form PTO-1449
- 3) Cited References (50)

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APPLICANT: David C. Brown, et al. GROUP: 2633  
SERIAL NO: 10/075,940 EXAMINER: unknown  
FILED: February 13, 2003  
FOR: APPARATUS FOR CONTROLLED MOVEMENT  
OF AN ELEMENT



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Assistant Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450


Sir:

INFORMATION DISCLOSURE STATEMENT

In compliance with 37 C.F.R. §§1.56, 1.97, and 1.98, Applicant submits copies of the documents listed on the attached Form PTO-1449.

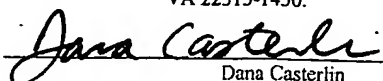
Applicant believes that no fee is required in connection with this submission, however, the Commissioner is authorized to charge Deposit Order Account No. 19-0079 for any fee that is required.

Respectfully submitted,

  
William E. Hilton  
Registration No. 35,192  
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225 Franklin Street, Suite 3300  
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Telephone: (617) 426-9180  
Extension 111

CERTIFICATE OF EXPRESS MAIL UNDER 37 C.F.R. §1.10

I hereby certify that this Information Disclosure Statement and the documents referred to as enclosed therein are being deposited with the United States Postal Service on June 5, 2003 in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EL754088954US addressed to the: Assistant Commissioner of Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

  
Dana Casterlin

FORM PTO-1449 SAMUELS, GAUTHIER & STEVENS LLP  
(Rev. 5/92) 225 Franklin Street, Boston, MA 02110  
Telephone: (617) 426-9180

ATTORNEY DOCKET NO. 6689-A

SERIAL NO. 10/075,940

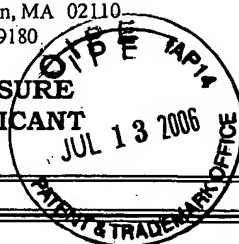
APPLICANT: David C. Brown, et al.

GROUP: 2633

FILING DATE: February 13, 2002

EXAMINER: unknown

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**



## U.S. PATENT DOCUMENTS

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,365,863	12/28/1982	Broussaud			
	AB	4,436,260	03/13/1984	Donelan			
	AC	4,961,627	10/09/1990	Swain et al.			
	AD	5,185,675	02/09/1993	Banks			
	AE	5,208,880	05/04/1993	Riza et al.			
	AF	5,222,071	06/22/1993	Pezeshki et al.			
	AG	5,223,971	06/29/1993	Magel			
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	AI	5,253,033	10/12/1993	Lipchak et al.			
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	AK	5,255,332	10/19/1993	Welch et al.			
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	AAG	6,163,643	12/19/2000	Bergmann et al.			08/12/1998
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	AAI	6,201,644	03/13/2001	Sakata et al.			11/12/1998
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	AAK	6,300,619	10/09/2001	Aksyuk et al.			12/21/1997

### FOREIGN PATENT DOCUMENTS

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
	AAL	Motamedi, M. Edward et al. "On-chip optical processing" Microelectronic Structures and MEMS for Optical Processing II. The International Society for Optical Engineering. Vol. 2881, October 1996. pp. 84-117
	AAM	Preliminary Data Sheet, Rev 2. "5200-Series 64x64 MEMS Optical Switch Module" Agere Systems, Inc. July 2001. (4 pages)
	AAN	Ford, James E. et al. "Micromechanical Fiber-Optic Attenuator with 3 $\mu$ s Response" Journal of Lightwave Technology. Vol. 16, No. 9. September 1998. pp. 1663-1670
	AAO	Goossen, K.W., et al. "Silicon Modulator Based on Mechanically-Active Anti-Reflection Layer with Mbit/sec Capability for Fiber-in-the-Loop Applications" IEEE Photonics Technology Letters. Vol. 6, No.9. September 1994. pp.1119-1121
	AAP	Barber, B. et al. "A Fiber Connectorized MEMS Variable Optical Attenuator" IEEE Photonics Technology Letters. Vol. 10, No. 9. September 1998. pp. 1262-1264
	AAQ	Reid, J.Robert et al. "Arrays of thermal micro-actuators coupled to micro-optical components" Air Force Institute of Technology. The International Society for Optical Engineering, Vol. 2865. pp. 74-82
	AAR	Walker, J.A. et al. "Performance and Packaging Implications of a MEMS Based Optical Modulator for WDM Fiber-To-The-Home Systems" IEEE Electronic Components and Technology Conference. 1997. pp. 601-606
	AAS	Lau, K.Y. "MEM's the Word for Optical Beam Manipulation" Circuits and Devices, IEEE. July 1997. pp. 11-18
	AAT	Ford, James E. et al. "Fiber-Coupled Variable Attenuator Using a MARS Modulator" Microelectronic Structures and MEMS for Optical Processing III. The International Society for Optical Engineering. Vol. 3226, September 1997. pp. 86-93
	AAU	Glockner, Steffan and Goring, Rolf. "Multichannel Fiber-Optic Switches based on MOEM Systems" Microelectronic Structures and MEMS for Optical Processing III. The International Society for Optical Engineering. Vol. 3226, September 1997. pp. 76-85
	AAV	CLEO '95. "Summary of Papers Presented at the Conference on Lasers and Electro-Optics." Optical Society of America. 1995 Technical Digest Series, Vol. 15. pp. 248-250
	AAW	Tien, Norman C. et al. "Actuation of polysilicon surface-micromachined mirrors" Miniaturized Systems with Micro-Optics and Micromechanics. The International Society for Optical Engineering. Vol 2687,

		January 1996 pp. 53-39
	AAX	Goring, Rolf et al. "Miniaturized optical switches based on piezoelectrically driven microprism arrays" Miniaturized Systems with Micro-Optics and Micromechanics. The International Society for Optical Engineering. Vol 2687, January 1996. pp. 23-31
EXAMINER		DATE CONSIDERED
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